**Invert the Bits**

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Given a number (N) of 32 bit size you are required to print the number you get by inverting bits in its binary representation (i.e. 1 is made 0 and 0 is made 1). In other words we are required to negate(~) the number.  
  
**Input:**  
The first line of input contains an integer T denoting the no of test cases. Then T test cases follow. Each test case contains an integer N.  
  
**Output:**  
For each test case in a new line print the required output.  
  
**Constraints:**  
1<=T<=100  
1<=N<=10^8+9  
  
**Example:  
Input:**  
2  
4289384  
1  
**Output:**  
4290677911  
4294967294

\*\*For More Examples Use Expected Output\*\*

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<http://practice.geeksforgeeks.org/problems/invert-the-bits/0>

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package javaapplication250;

import java.io.\*;

import java.math.\*;

import java.util.\*;

/\*\*

\*

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\*/

public class JavaApplication250 {

public static void main(String[] args) throws IOException {

// TODO code application logic here

BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

int t = Integer.parseInt(br.readLine());

while(t-- > 0) {

int n = Integer.parseInt(br.readLine().trim());

long a = 4294967295L;

System.out.println(n^a);

}

}

}